

REPLACEMENT SHEET

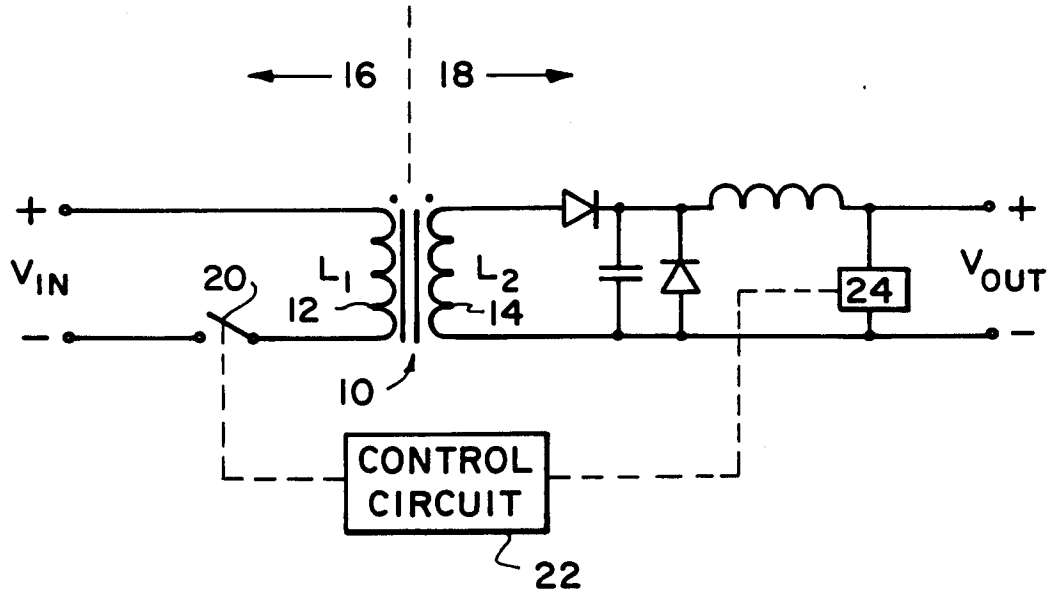


FIG. 1 (PRIOR ART)

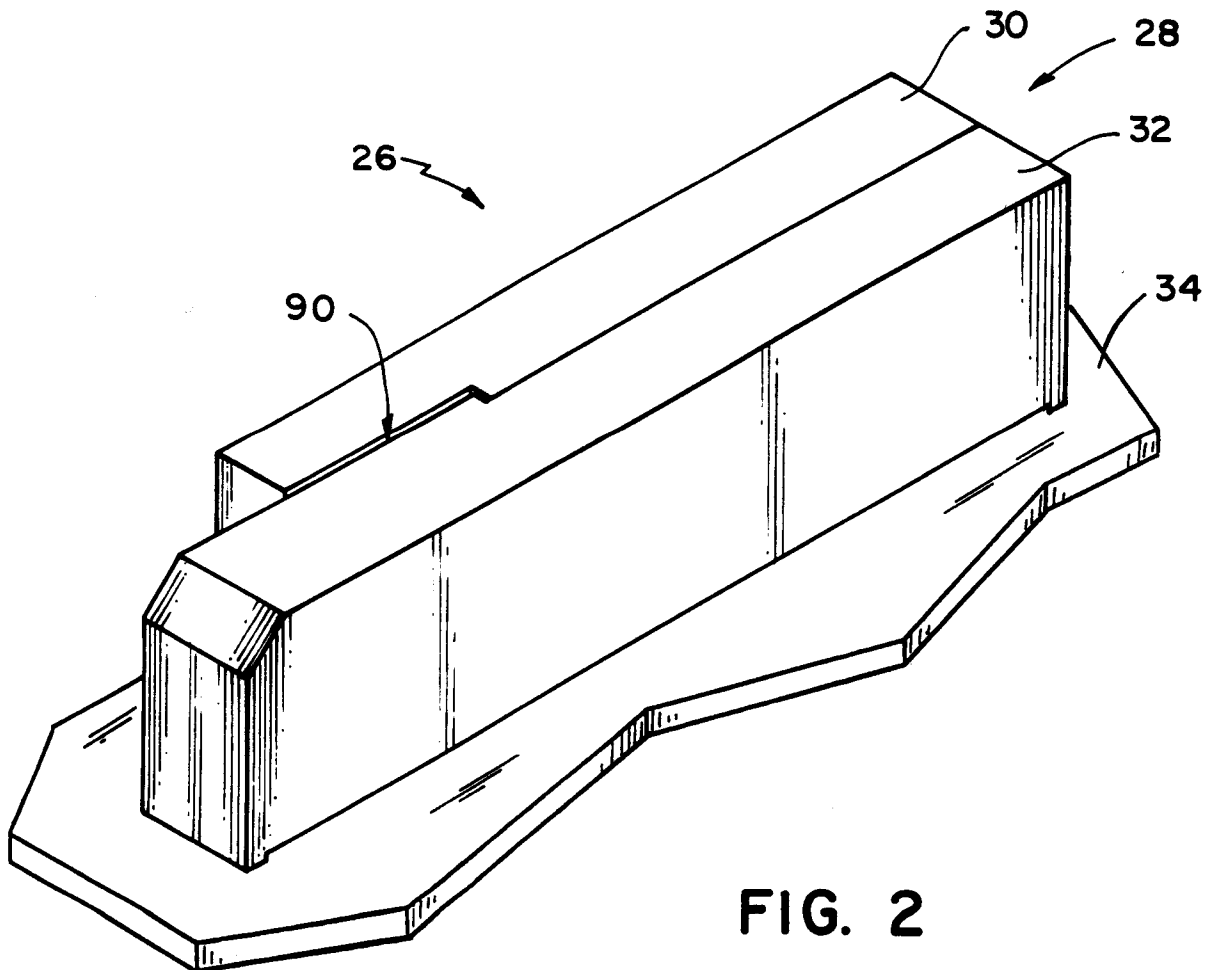


FIG. 2

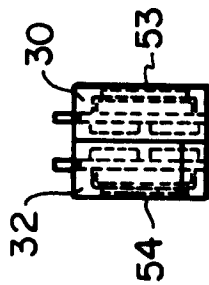


FIG. 3A

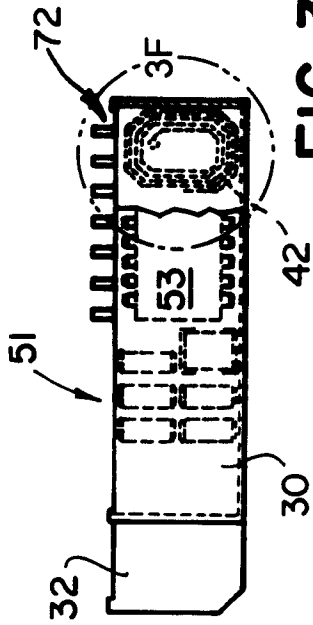


FIG. 3B

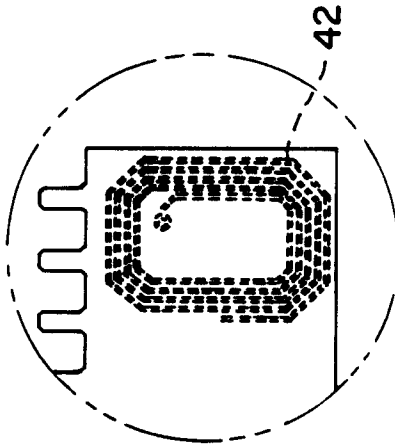


FIG. 3F

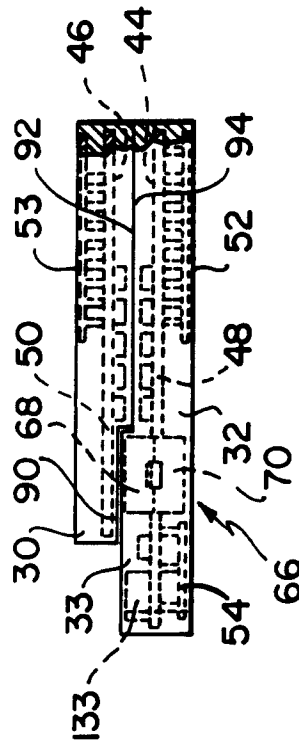


FIG. 3C

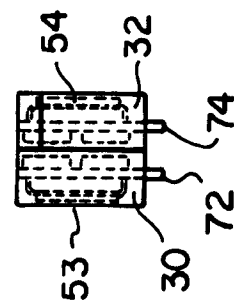


FIG. 3E

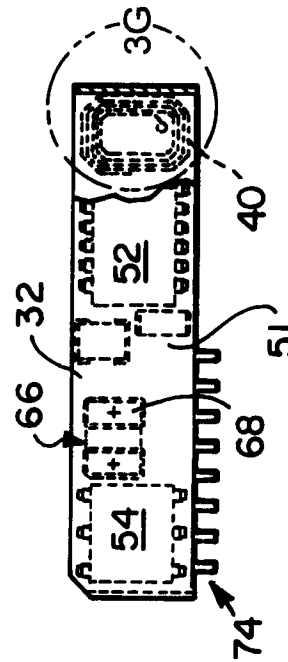


FIG. 3D

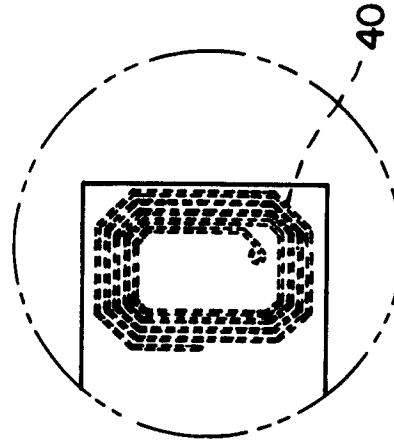
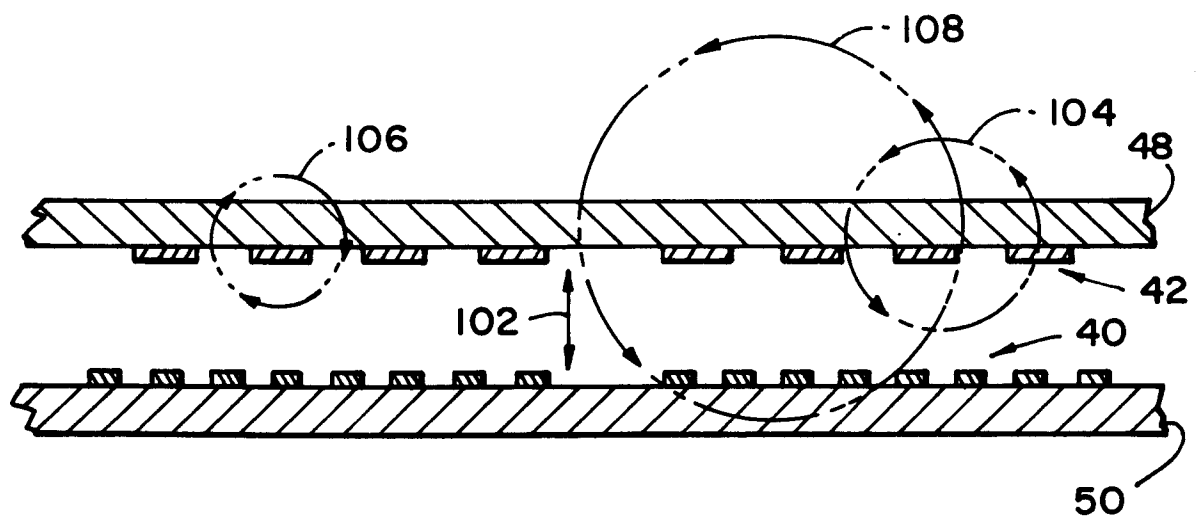
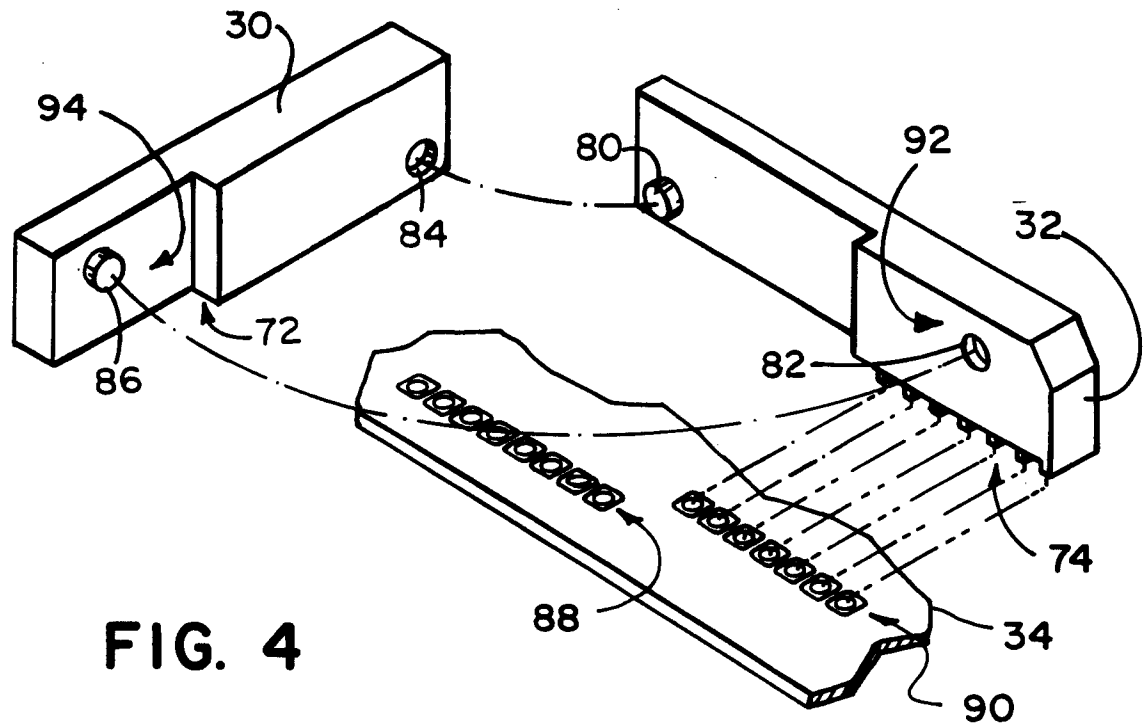


FIG. 3G



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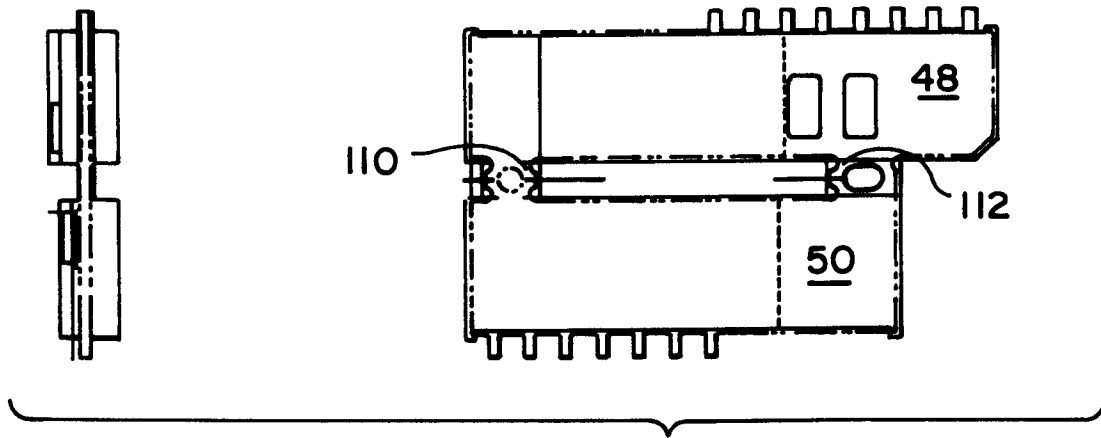


FIG. 6

REPLACEMENT SHEET

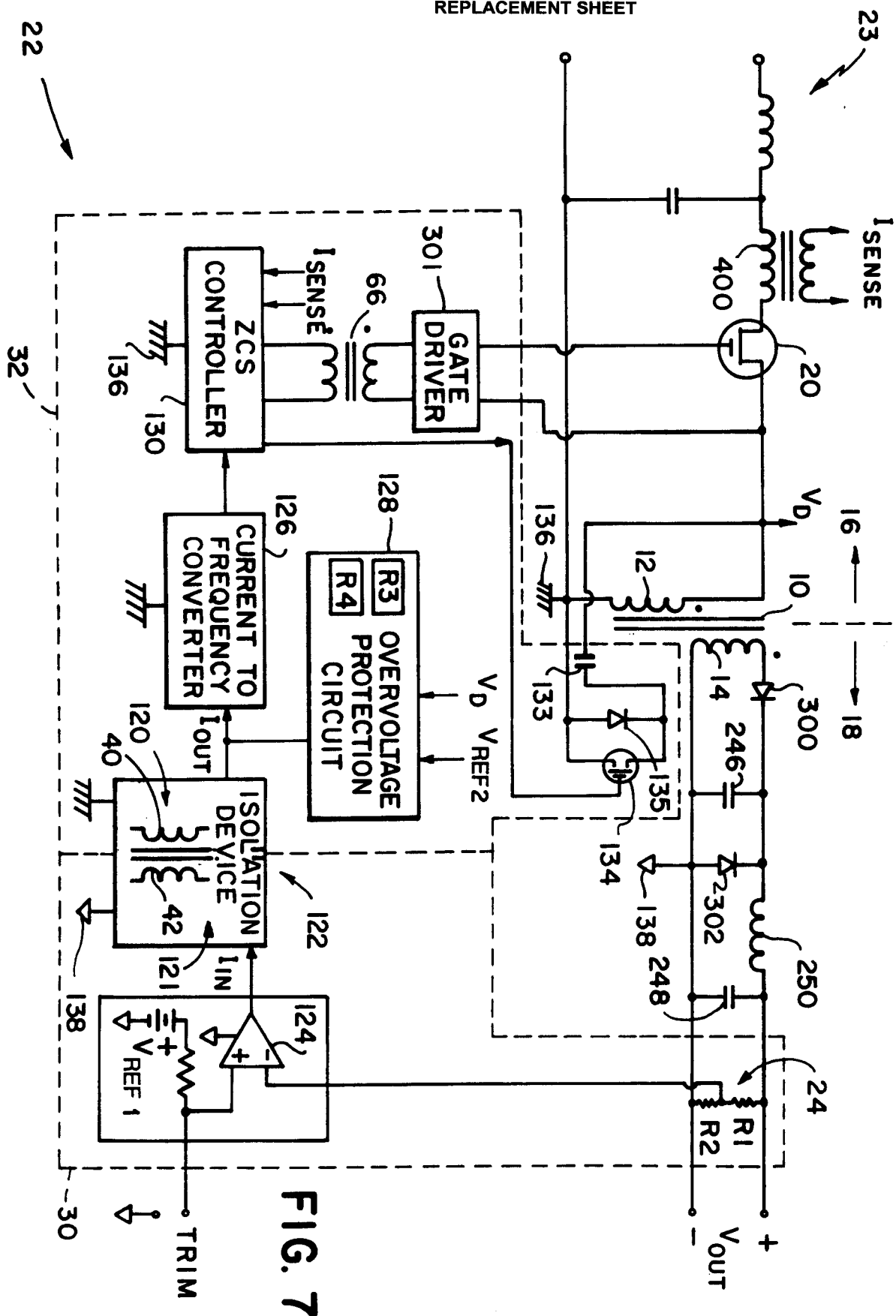


FIG. 7

REPLACEMENT SHEET

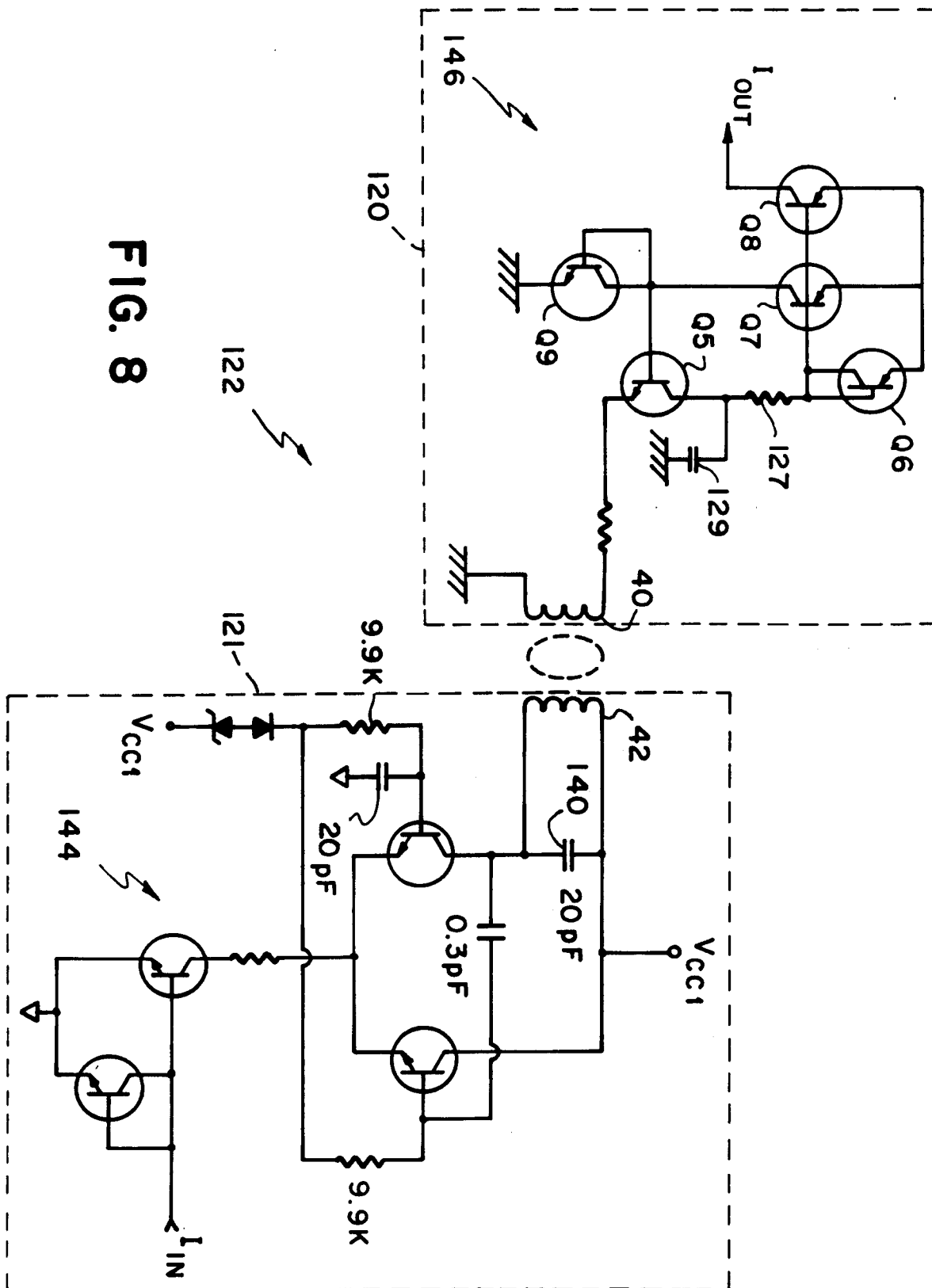


FIG. 8

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V _{in} (Volts)	V _{out} (Volts)	R1 (Kohm)	R2 (Kohm)	FET Type	V _{dma} x (Volts)	R3 (Kohm)	R4 (Kohm)
300	3.3	26.40	82.50	IRFBC30	550	1,375.0	20.30
300	5	40.00	40.00	IRFBC30	550	1,375.0	20.30
300	12	96.00	25.26	IRFBC30	550	1,375.0	20.30
300	15	120.00	24.00	IRFBC30	550	1,375.0	20.30
300	24	192.00	22.33	IRFBC30	550	1,375.0	20.30
300	28	224.00	21.96	IRFBC30	550	1,375.0	20.30
48	3.3	26.40	82.50	IRF540	95	237.5	21.84
48	5	40.00	40.00	IRF540	95	237.5	21.84
48	12	96.00	25.26	IRF540	95	237.5	21.84
48	15	120.00	24.00	IRF540	95	237.5	21.84
48	24	192.00	22.33	IRF540	95	237.5	21.84
48	28	224.00	21.96	IRF540	95	237.5	21.84
28	3.3	26.4	82.50	IRFZ44	56	140.0	23.33
28	5	40.00	40.00	IRFZ44	56	140.0	23.33
28	12	96.00	25.26	IRFZ44	56	140.0	23.33
28	15	120.00	24.00	IRFZ44	56	140.0	23.33
28	24	192.00	22.33	IRFZ44	56	140.0	23.33
28	28	224.00	21.96	IRFZ44	56	140.0	23.33

FIG. 9

V_{ref1} = 2.5 VoltsV_{ref2} = 8 Volts

Primary Lobe Resistor Values

V _{in} (Volts)	R3 (Kohm)	R4 (Kohm)
300	1,375.0	20.30
48	237.5	21.84
28	140.0	23.33

V_{ref1} = 2.5 Volts

FIG. 10A

Secondary Lobe Resistor Values

V _{out} (Volts)	R1 (Kohm)	R2 (Kohm)
3.3	26.40	82.50
5	40.00	40.00
12	96.00	25.26
15	120.00	24.00
24	192.00	22.33
28	224.00	21.96

V_{ref2} = 8 Volts

FIG. 10B

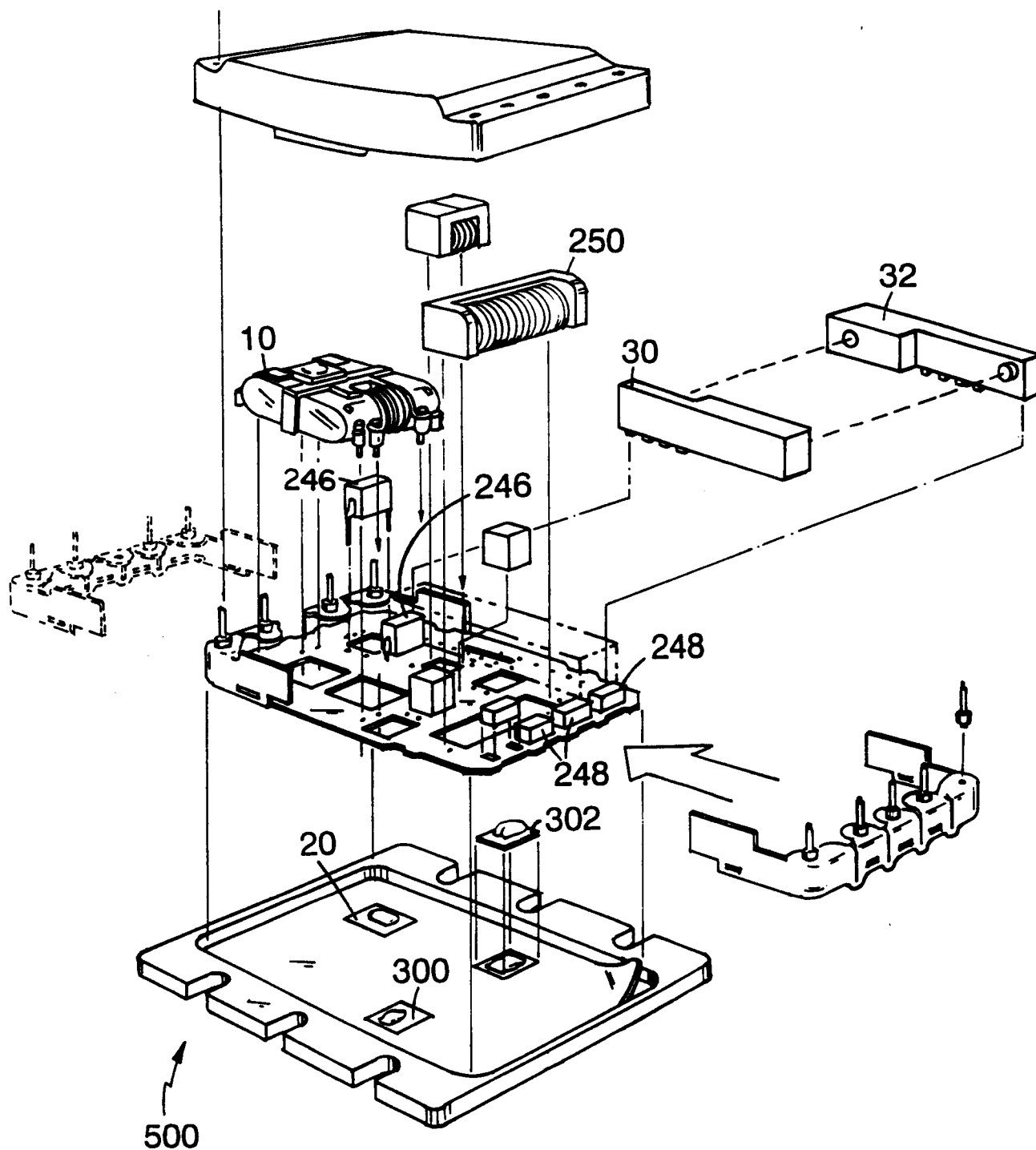


FIG. 11

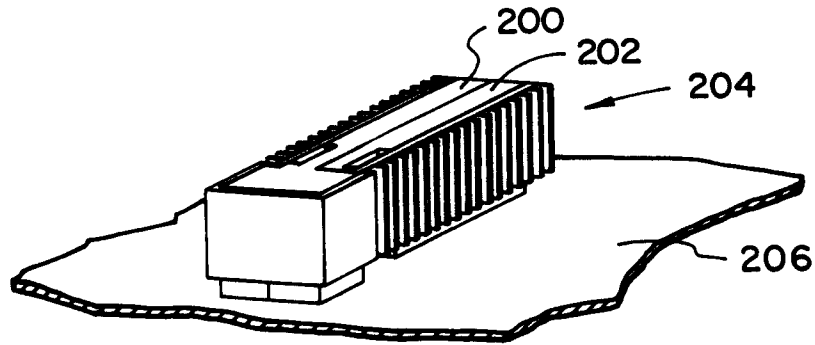


FIG. 12

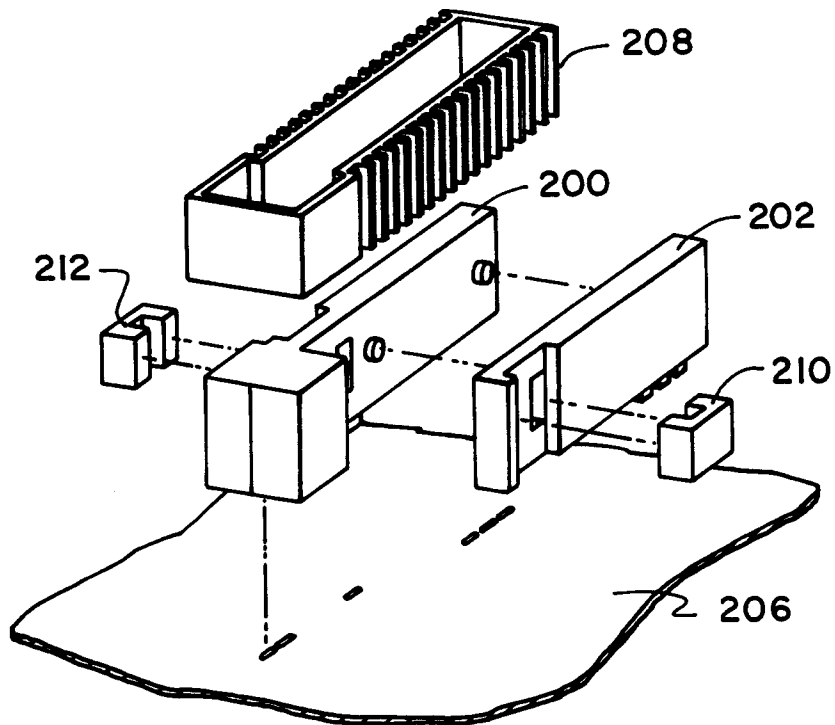


FIG. 13A

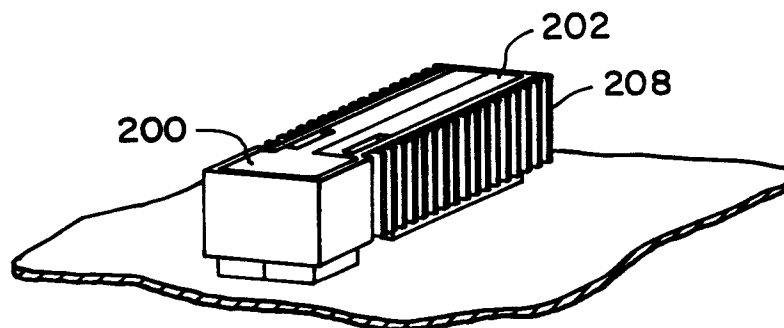


FIG. 13 B

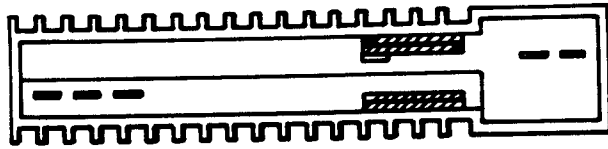


FIG. 13 C

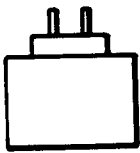


FIG. 13 G

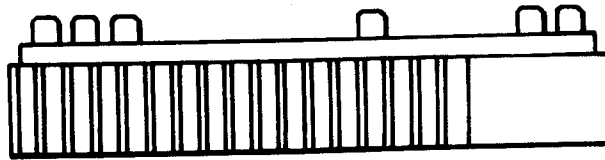


FIG. 13 D

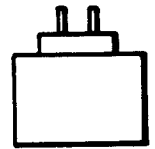


FIG. 13 H

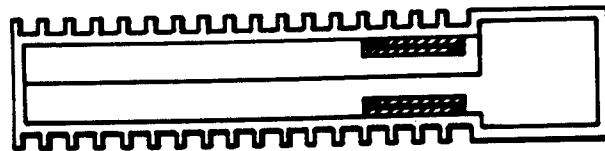


FIG. 13 E

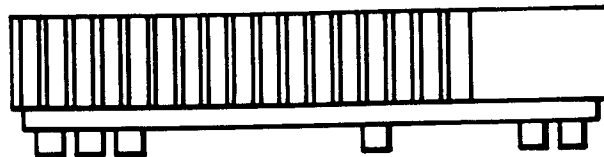


FIG. 13 F

REPLACEMENT SHEET

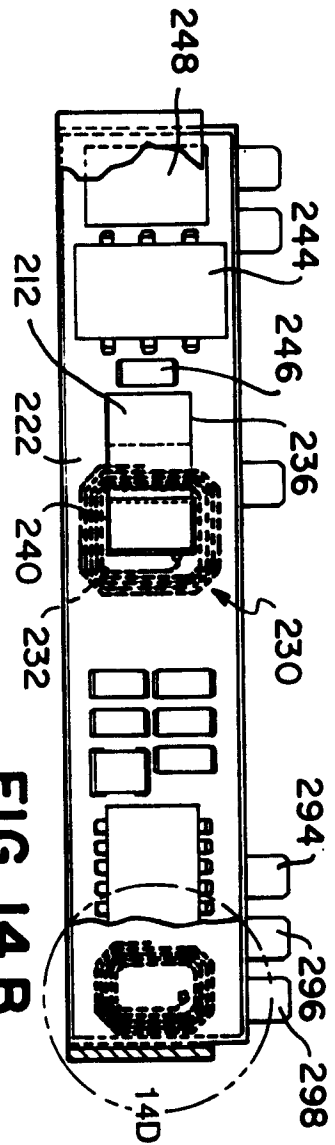


FIG. 14B

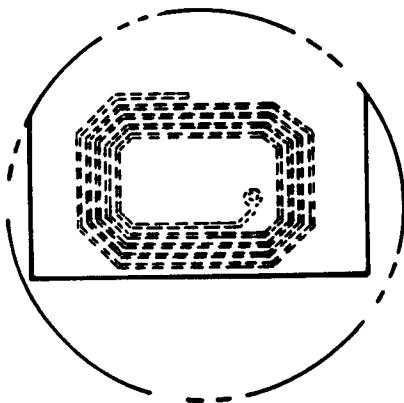


FIG. 14D

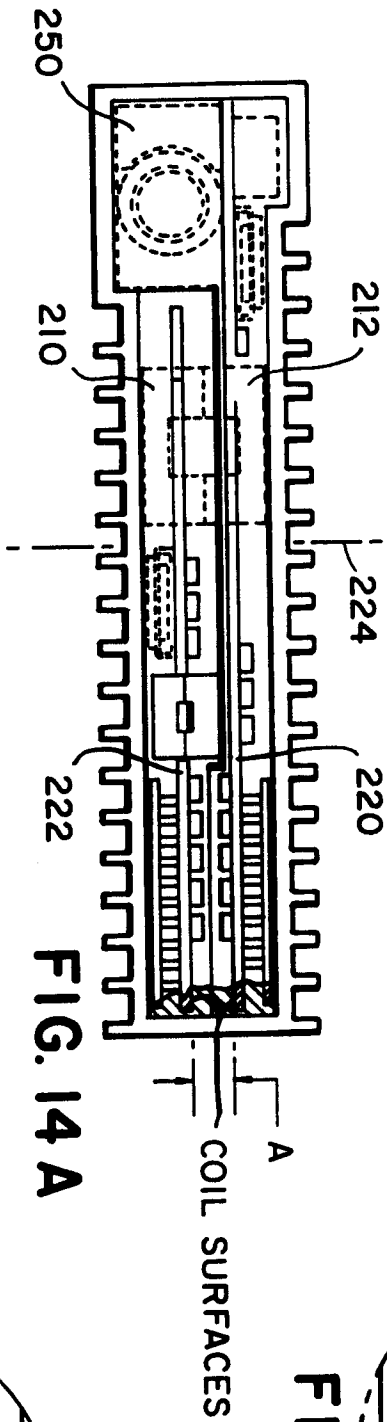


FIG. 14A

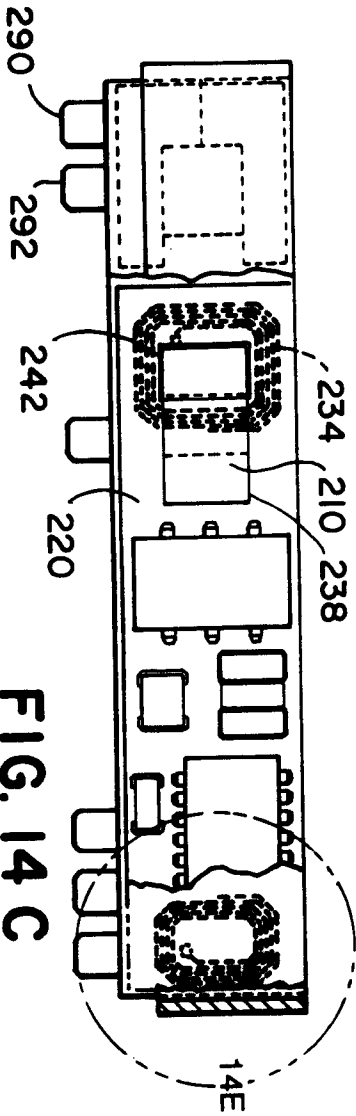


FIG. 14C

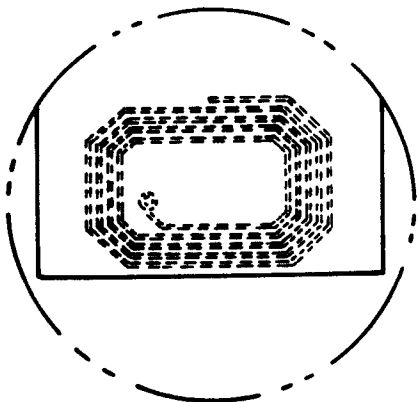


FIG. 14E

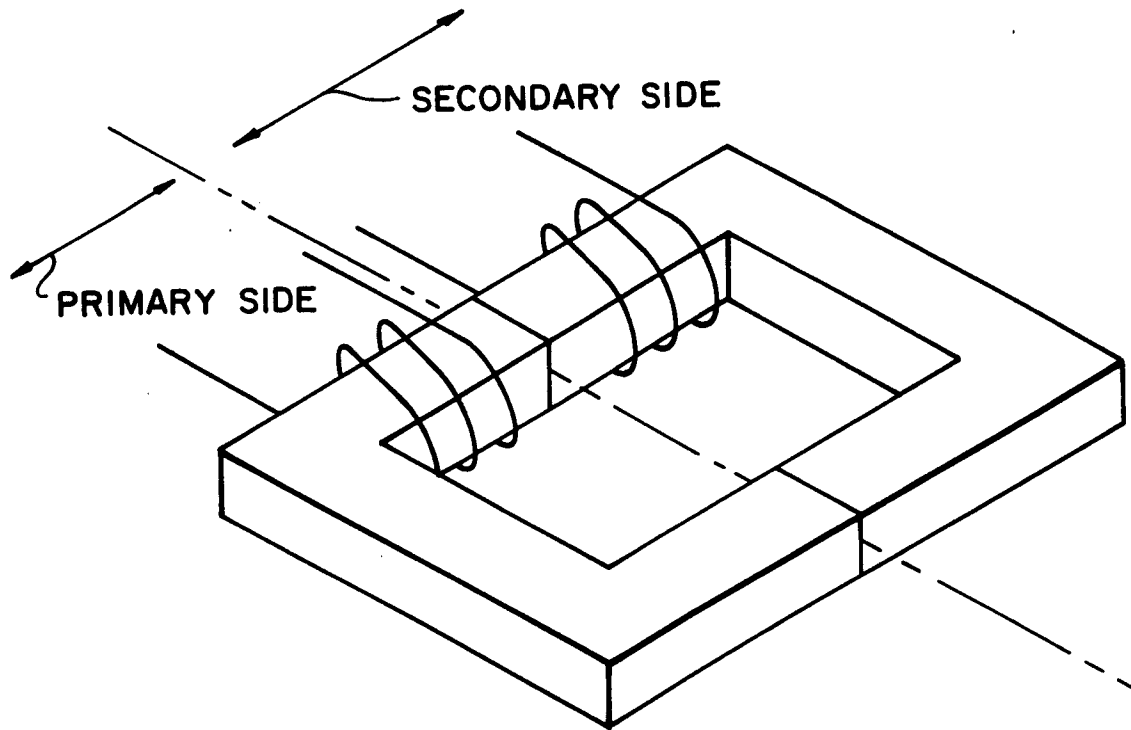


FIG. 15 A

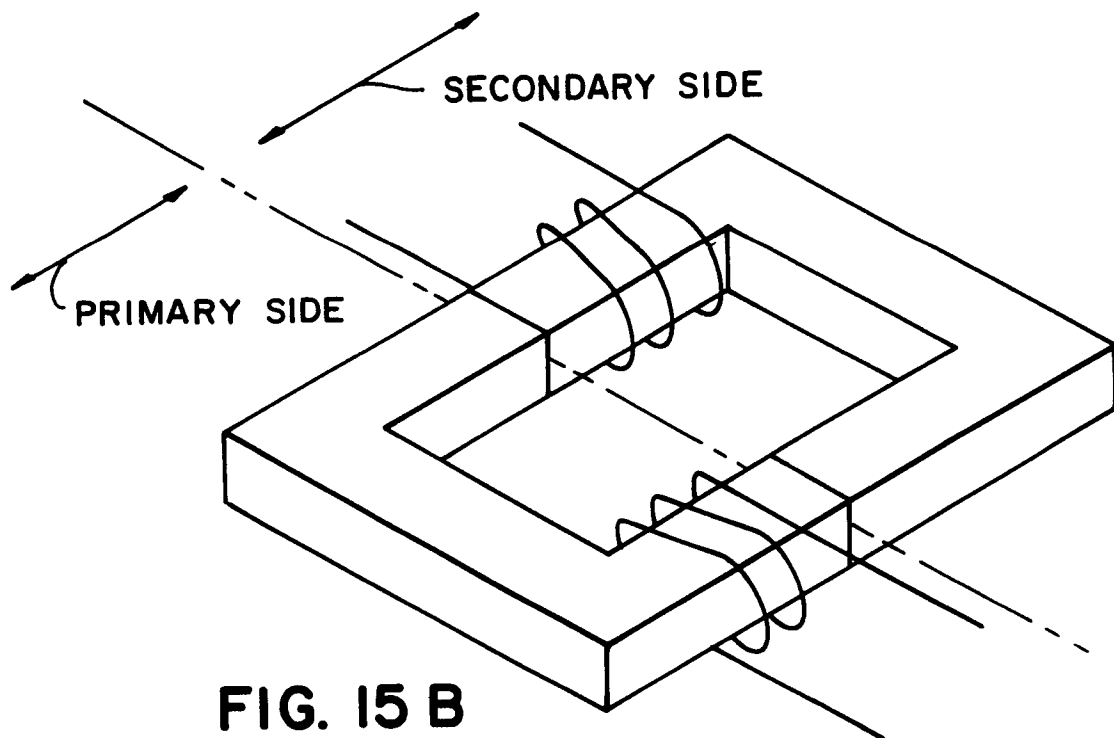


FIG. 15 B

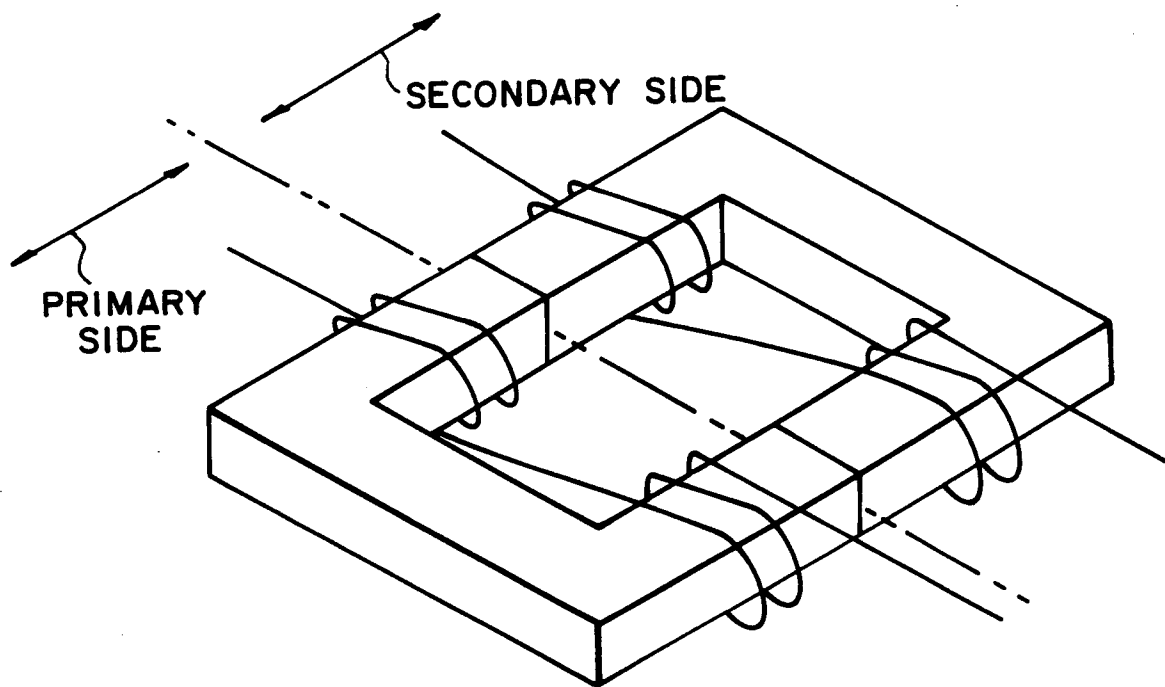


FIG. 15 C

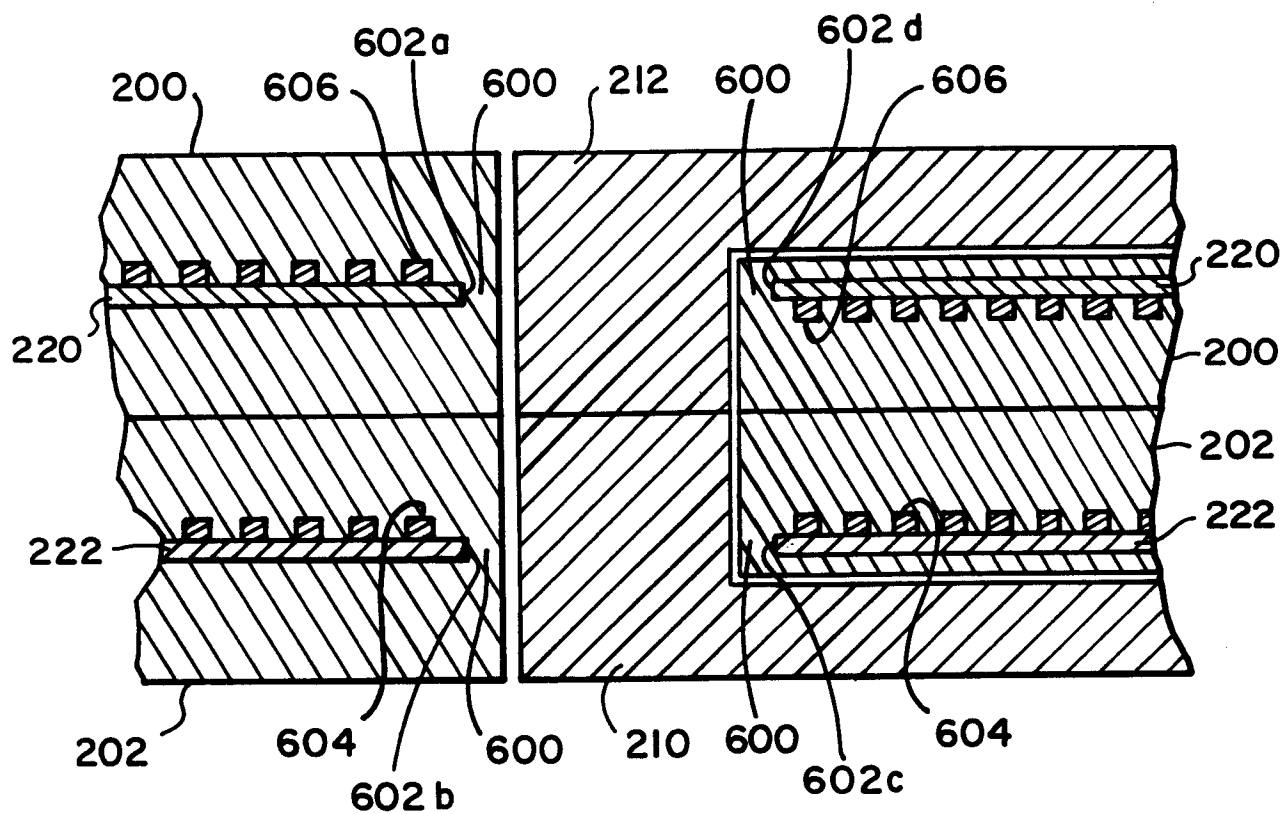


FIG. 16

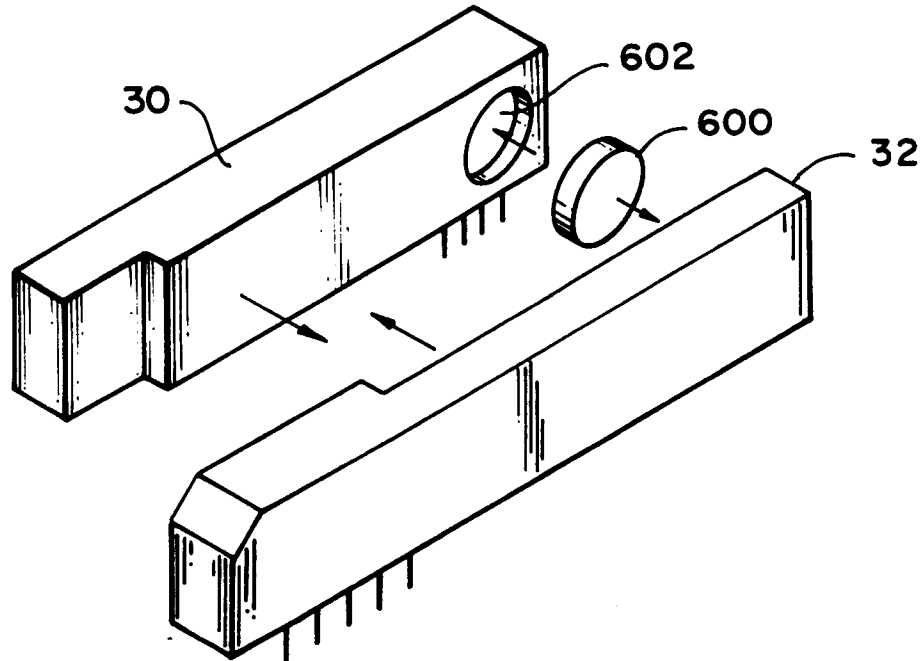


FIG. 17A

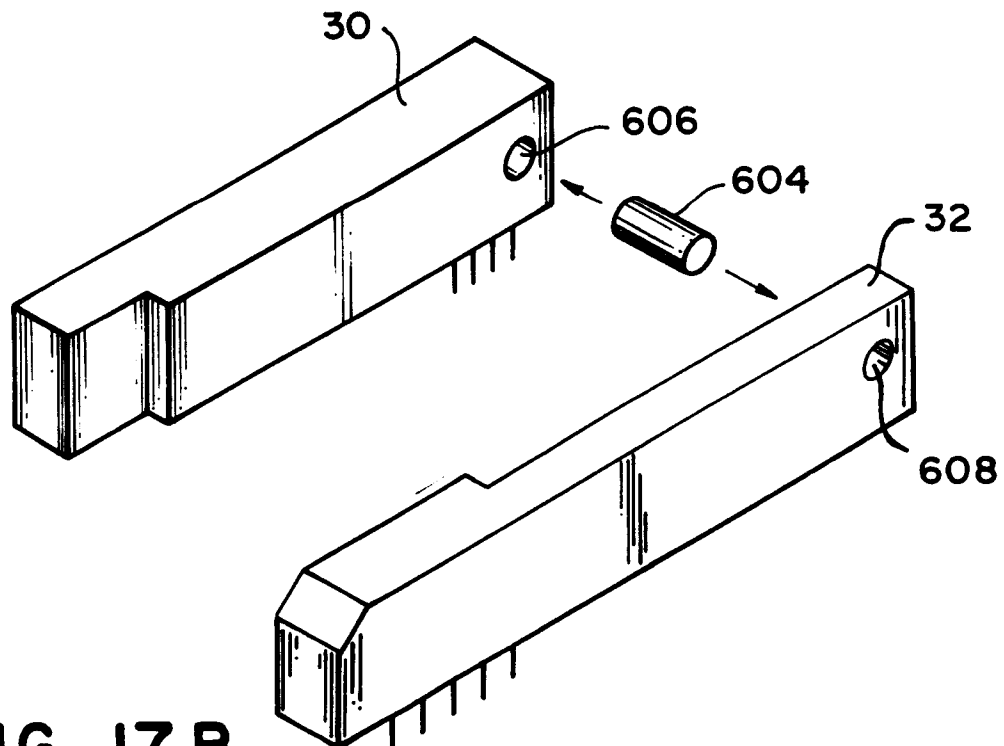


FIG. 17 B